

# AUTHOR INDEX TO VOLUME 65

<i>Author</i>	<i>Title</i>	<i>Page</i>
ACCIARO, VINCENZO	Solvability of norm equations over cyclic number fields of prime degree .....	1663
ANGLIN, W. S.	Simultaneous Pell equations .....	355
BACH, ERIC, LUKES, RICHARD, SHALLIT, JEFFREY & WILLIAMS, H. C.	Results and estimates on pseudopowers .....	1737
BACH, ERIC & PERALTA, RENÉ	Asymptotic semismoothness probabilities .....	1701
BACH, ERIC & SORENSEN, JONATHAN	Explicit bounds for primes in residue classes .....	1717
BHATIA, RAJENDRA & LI, REN-CANG	On perturbations of matrix pencils with real spectra. II	637
DE BOOR, CARL	On the Sauer-Xu formula for the error in multivariate polynomial interpolation .....	1231
BORWEIN, PETER & ERDÉLYI, TAMÁS	The integer Chebyshev problem .....	661
BOSMA, WIEB & STEVENHAGEN, PETER	Density computations for real quadratic units .....	1327
BOUCHUT, F., BOURDARIAS, CH. & PERTHAME, B.	A MUSCL method satisfying all the numerical entropy inequalities .....	1439
BOURDARIAS, CH.	See BOUCHUT, F. ....	1439
BOYD, DAVID W.	On beta expansions for Pisot numbers .....	841
BOYD, DAVID W.	On the beta expansion for Salem numbers of degree 6	861
BRENNER, SUSANNE C.	Two-level additive Schwarz preconditioners for nonconforming finite element methods .....	897
BREZINA, MARIAN	See MANDEL, JAN .....	1387
BROWN, BRIENNE E. & GORDON, DANIEL M.	On sequences without geometric progressions .....	1749
BUCHMANN, JOHANNES & SHOUP, VICTOR	Constructing nonresidues in finite fields and the extended Riemann hypothesis .....	1311
BURTHE, RONALD JOSEPH, JR.	Further investigations with the strong probable prime test .....	373
CALL, GREGORY S. & SILVERMAN, JOSEPH H.	Computing the canonical height on K3 surfaces .....	259
CARSTENSEN, CARSTEN	Efficiency of a posteriori BEM-error estimates for first-kind integral equations on quasi-uniform meshes ..	69
CHEER, A. Y. & GOLDSTON, D. A.	Turán's pure power sum problem .....	1349
CHEN, GOONG	See DENG, YUANHUA .....	943
CHEN, ZHANGXIN, EWING, RICHARD E. & LAZAROV, RAYCHO	Domain decomposition algorithms for mixed methods for second-order elliptic problems .....	467
CHUI, CHARLES K. & DE VILLIERS, JOHAN M.	Applications of optimally local interpolation to interpolatory approximants and compactly supported wavelets .....	99
CHUI, CHARLES K. & HONG, DONG	Construction of local $C^1$ quartic spline elements for optimal-order approximation .....	85

AUTHOR INDEX TO VOLUME 65

<i>Author</i>	<i>Title</i>	<i>Page</i>
CLARK, DAVID A.	Non-Galois cubic fields which are Euclidean but not norm-Euclidean .....	1675
COCKBURN, BERNARDO & GREMAUD, PIERRE-ALAIN	A priori error estimates for numerical methods for scalar conservation laws. Part I: The general approach ..	533
COHEN, HENRI	Hermite and Smith normal form algorithms over Dedekind domains .....	1681
COHN, HARVEY & MCKAY, JOHN	Spontaneous generation of modular invariants .....	1295
COOLS, RONALD & SLOAN, IAN H.	Minimal cubature formulae of trigonometric degree ..	1583
COUTSIAS, EVANGELOS A., HAGSTROM, THOMAS & TORRES, DAVID	An efficient spectral method for ordinary differential equations with rational function coefficients .....	611
COUTURE, RAYMOND & L'ECUYER, PIERRE	Orbits and lattices for linear random number generators with composite moduli .....	189
DABERKOW, M. & POHST, M.	On integral bases in relative quadratic extensions ....	319
DELEGLISE, M. & RIVAT, J.	Computing $\pi(x)$ : the Meissel, Lehmer, Lagarias, Miller, Odlyzko method .....	235
DEMICHELI, V.	Quasi-interpolatory splines based on Schoenberg points	1235
DENG, YUANHUA, CHEN, GOONG, NI, WEI-MING & ZHOU, JIANXIN	Boundary element monotone iteration scheme for semilinear elliptic partial differential equations ....	943
DE VILLIERS, JOHAN M.	See CHUI, CHARLES K. ....	99
DIMITROV, DIMITAR K.	Integration of polyharmonic functions .....	1269
DOMAN, B. G. S.	An asymptotic expansion for the incomplete beta function .....	1283
DUBNER, HARVEY	Large Sophie Germain primes .....	393
DUIJVESTIJN, A. J. W.	The number of polyhedral (3-connected planar) graphs	1289
DUIJVESTIJN, A. J. W.	Simple perfect squared squares and $2 \times 1$ squared rectangles of order 26 .....	1359
EICHENAUER-HERRMANN, JÜRGEN & EMMERICH, FRANK	Compound inversive congruential pseudorandom numbers: an average-case analysis .....	215
EKL, RANDY L.	Equal sums of four seventh powers .....	1755
EMMERICH, FRANK	See EICHENAUER-HERRMANN, JÜRGEN .....	215
EMMERICH, FRANK	Pseudorandom vector generation by the compound inversive method .....	749
ERDÉLYI, TAMÁS	See BORWEIN, PETER .....	661
ERDŐS, P. & LEWIN, MORDECHAI	$d$ -complete sequences of integers .....	837
EWING, RICHARD E.	See CHEN, ZHANGXIN .....	467
FAROUKI, R. T. & GOODMAN, T. N. T.	On the optimal stability of the Bernstein basis .....	1553
FLAMMANG, V.	Two new points in the spectrum of the absolute Mahler measure of totally positive algebraic integers .....	307
FRENCH, DONALD A. & PETERSON, TODD E.	A continuous space-time finite element method for the wave equation .....	491

# AUTHOR INDEX TO VOLUME 65

<i>Author</i>	<i>Title</i>	<i>Page</i>
FUKUDA, TAKASHI	Cyclotomic units and Greenberg's conjecture for real quadratic fields .....	1339
FUKUDA, T. & KOMATSU, K.	A capitulation problem and Greenberg's conjecture on real quadratic fields .....	313
GAÁL, ISTVÁN	Computing all power integral bases in orders of totally real cyclic sextic number fields .....	801
GAUTSCHI, WALTER & LI, SHIKANG	On quadrature convergence of extended Lagrange interpolation .....	1249
GAUTSCHI, WALTER & NOTARIS, SOTIRIOS E.	Stieltjes polynomials and related quadrature formulae for a class of weight functions .....	1257
Gayle, R. C. & Wolfe, J. M.	Unicity in piecewise polynomial $L^1$ -approximation via an algorithm .....	647
GOLDSTON, D. A.	See CHEER, A. Y. ....	1349
GOODMAN, T. N. T.	See FAROUKI, R. T. ....	1553
GORDON, DANIEL M.	See BROWN, BRIENNE E. ....	1749
GORI, LAURA & MICCHELLI, CHARLES A.	On weight functions which admit explicit Gauss-Turán quadrature formulas .....	1567
GREMAUD, PIERRE-ALAIN	See COCKBURN, BERNARDO ....	533
HAGSTROM, THOMAS	See COUTSIAS, EVANGELOS A. ....	611
HALPERN, LAURENCE	Spectral methods in polar coordinates for the Stokes problem. Application to computation in unbounded domains .....	507
HAN, WEN BAO	The coefficients of primitive polynomials over finite fields .....	331
HEINRICH, S.	Efficient algorithms for computing the $L_2$ -discrepancy .....	1621
HONG, DONG	See CHUI, CHARLES K. ....	85
INDEKOFEK, KARL-HEINZ & JÁRAI, ANTAL	Largest known twin primes .....	427
IRIBARREN, GABRIEL	See RIVARA, MARÍA-CECILIA ....	1485
JÁRAI, ANTAL	See INDEKOFEK, KARL-HEINZ ....	427
JEPSEN, CHARLES H.	Dissections of $p : q$ rectangles .....	771
JOE, BARRY	See LIU, ANWEI ....	1183
JOE, S.	See LYNESS, J. N. ....	165
KATO, TAKASHI, WU, LI-MING & YANAGIHARA, NIRO	On a nonlinear congruential pseudorandom number generator .....	227
KATO, TAKASHI, WU, LI-MING & YANAGIHARA, NIRO	The serial test for a nonlinear pseudorandom number generator .....	761
KEIPER, J. B.	On the zeros of the Ramanujan $\tau$ -Dirichlet series in the critical strip .....	1613
KLOUČEK, PETR, LI, BO & LUSKIN, MITCHELL	Analysis of a class of nonconforming finite elements for crystalline microstructures .....	1111
KOMATSU, K.	See FUKUDA, T. ....	313
KUIJLAARS, ARNO B. J.	The zeros of Faber polynomials generated by an $m$ -star .....	151
L'ECUYER, PIERRE	See COUTURE, RAYMOND ....	189

# AUTHOR INDEX TO VOLUME 65

<i>Author</i>	<i>Title</i>	<i>Page</i>
L'ECUYER, PIERRE	Maximally equidistributed combined Tausworthe generators .....	203
LANGTRY, T. N.	An application of diophantine approximation to the construction of rank-1 lattice quadrature rules ....	1635
LAURIE, DIRK P.	Anti-Gaussian quadrature formulas .....	739
LAWTON, W., LEE, S. L. & SHEN, ZUOWEI	An algorithm for matrix extension and wavelet construction .....	723
LAZAROV, RAYTCHO	See CHEN, ZHANGXIN .....	467
LÉCOT, CHRISTIAN	Error bounds for quasi-Monte Carlo integration with nets .....	179
LEE, S. L.	See LAWTON, W. ....	723
LEWIN, MORDECHAI	See ERDŐS, P. ....	837
LI, BO	See KLOUČEK, PETR .....	1111
LI, REN-CANG	See BHATIA, RAJENDRA .....	637
LI, SHIKANG	See GAUTSCHI, WALTER .....	1249
LI, T. Y. & WANG, XIAOSHEN	The BKK root count in $\mathbb{C}^n$ .....	1477
LIU, ANWEI & JOE, BARRY	Quality local refinement of tetrahedral meshes based on 8-subtetrahedron subdivision .....	1183
LIU, HAILIANG & WANG, JINGHUA	Nonlinear stability of stationary discrete shocks for nonconvex scalar conservation laws .....	1137
LÖH, GÜNTER & NIEBUHR, WOLFGANG	A new algorithm for constructing large Carmichael numbers .....	823
LUBICH, CH., SLOAN, I. H. & THOMÉE, V.	Nonsmooth data error estimates for approximations of an evolution equation with a positive-type memory term .....	1
LUKES, R. F., PATTERSON, C. D. & WILLIAMS, H. C.	Some results on pseudosquares .....	361
LUKES, RICHARD	See BACH, ERIC .....	1737
LUSKIN, MITCHELL	See KLOUČEK, PETR .....	1111
LYNESS, J. N. & JOE, S.	Triangular canonical forms for lattice rules of prime-power order .....	165
MALMLIDEN, JOHAN F. & PETERSSON, N. ANDERS	A fast iterative method to compute the flow around a submerged body .....	1067
MALTA, IACI, SALDANHA, NICOLAU C. & TOMEI, CARLOS	The numerical inversion of functions from the plane to the plane .....	1531
MANDEL, JAN & BREZINA, MARIAN	Balancing domain decomposition for problems with large jumps in coefficients .....	1387
VON MATT, URS & STEWART, G. W.	Rounding errors in solving block Hessenberg systems .	115
McKAY, JOHN	See COHN, HARVEY .....	1295
MICCHELLI, CHARLES A.	See GORI, LAURA .....	1567
MIGNOTTE, MAURICE, PETHŐ, ATTILA & ROTH, RALF	Complete solutions of a family of quartic Thue and index form equations .....	341

AUTHOR INDEX TO VOLUME 65

<i>Author</i>	<i>Title</i>	<i>Page</i>
MORGAN, RONALD B.	On restarting the Arnoldi method for large nonsymmetric eigenvalue problems .....	1213
NESSYAHU, HAIM	Convergence rate of approximate solutions to weakly coupled nonlinear systems .....	575
NI, WEI-MING	See DENG, YUANHUA .....	943
NICOLAIDES, R. A. & WU, X.	Analysis and convergence of the MAC scheme. II. Navier-Stokes equations .....	29
NIEBUHR, WOLFGANG	See LÖH, GÜNTER .....	823
NOELLE, SEBASTIAN	A note on entropy inequalities and error estimates for higher-order accurate finite volume schemes on irregular families of grids .....	1155
NOTARIS, SOTIRIOS E.	See GAUTSCHI, WALTER .....	1257
OSWALD, PETER	Preconditioners for nonconforming discretizations ....	923
PALAMARA ORSI, ANNAMARIA	Product integration for Volterra integral equations of the second kind with weakly singular kernels .....	1201
PAPAGEORGIOU, G.	See PAPAKOSTAS, S. N. ....	1165
PAPAKOSTAS, S. N. & PAPAGEORGIOU, G.	A family of fifth-order Runge-Kutta pairs .....	1165
PATTERSON, C. D.	See LUKES, R. F. ....	361
PEARSON, KIMBERLY	Integral cohomology and detection of $w$ -basic 2-groups	291
PERALTA, RENÉ	See BACH, ERIC .....	1701
PERTHAME, B.	See BOUCHUT, F. ....	1439
PESZYŃSKA, MALGORZATA	Finite element approximation of diffusion equations with convolution terms .....	1019
PETERSON, TODD E.	See FRENCH, DONALD A. ....	491
PETERSSON, N. ANDERS	See MALMLIDEN, JOHAN F. ....	1067
PETHŐ, ATTILA	See MIGNOTTE, MAURICE .....	341
POHST, M.	See DABERKOW, M. ....	319
QUAK, EWALD	Trigonometric wavelets for Hermite interpolation ....	683
RAMARÉ, OLIVIER & RUMELY, ROBERT	Primes in arithmetic progressions .....	397
RIVARA, MARÍA-CECILIA & IRIBARREN, GABRIEL	The 4-triangles longest-side partition of triangles and linear refinement algorithms .....	1485
RIVAT, J.	See DELEGLISE, M. ....	235
RODRÍGUEZ, RODOLFO & SOLOMIN, JORGE E.	The order of convergence of eigenfrequencies in finite element approximations of fluid-structure interaction problems .....	1463
RON, AMOS & SUN, XINGPING	Strictly positive definite functions on spheres in euclidean spaces .....	1513
ROTH, RALF	See MIGNOTTE, MAURICE .....	341
RUMELY, ROBERT	See RAMARÉ, OLIVIER .....	397
RUMP, S. M.	Expansion and estimation of the range of nonlinear functions .....	1503
RUSTEN, TORGEIR, VASSILEVSKI, PANAYOT S. & WINTHER, RAGNAR	Interior penalty preconditioners for mixed finite element approximations of elliptic problems .....	447
SALDANHA, NICOLAU C.	See MALTA, IACI .....	1531

# AUTHOR INDEX TO VOLUME 65

<i>Author</i>	<i>Title</i>	<i>Page</i>
SCHATZ, ALFRED H. & WANG, JUNPING	Some new error estimates for Ritz-Galerkin methods with minimal regularity assumptions .....	19
SCHWAB, CHRISTOPH & SURI, MANIL	The $p$ and $hp$ versions of the finite element method for problems with boundary layers .....	1403
SHALLIT, JEFFREY	See BACH, ERIC .....	1737
SHEN, JIE	On error estimates of the projection methods for the Navier-Stokes equations: Second-order schemes ...	1039
SHEN, ZUOWEI	See LAWTON, W. ....	723
SHOUP, VICTOR	See BUCHMANN, JOHANNES .....	1311
SILVERMAN, JOSEPH H.	See CALL, GREGORY S. ....	259
SLOAN, I. H.	See LUBICH, CH. ....	1
SLOAN, IAN H.	See COOLS, RONALD .....	1583
SMITH, DAVID M.	A multiple-precision division algorithm .....	157
SOLOMIN, JORGE E.	See RODRÍGUEZ, RODOLFO .....	1463
SORENSEN, JONATHAN	See BACH, ERIC .....	1717
STEVENHAGEN, PETER	See BOSMA, WIEB .....	1327
STEVENSON, ROB	The frequency decomposition multilevel method: A robust additive hierarchical basis preconditioner ...	983
STEWART, G. W.	See VON MATT, URS .....	115
STRELA, V. V. & TYRTYSHNIKOV, E. E.	Which circulant preconditioner is better? .....	137
STYNES, MARTIN	See SUN, GUANGFU .....	1085
SUN, GUANGFU & STYNES, MARTIN	A uniformly convergent method for a singularly perturbed semilinear reaction-diffusion problem with multiple solutions .....	1085
SUN, XINGPING	See RON, AMOS .....	1513
SURI, MANIL	See SCHWAB, CHRISTOPH .....	1403
TAYA, HISAO	Computation of $\mathbb{Z}_3$ -invariants of real quadratic fields .	779
THOMÉE, V.	See LUBICH, CH. ....	1
TOMEI, CARLOS	See MALTA, IACI .....	1531
TORRES, DAVID	See COUTSIAS, EVANGELOS A. ....	611
TYRTYSHNIKOV, E. E.	See STRELA, V. V. ....	137
URABE, TOHSUKE	Calculation of Manin's invariant for Del Pezzo surfaces	247
VAN KEER, R.	See VANMAELE, M. ....	999
VANMAELE, M. & VAN KEER, R.	On a variational approximation method for a class of elliptic eigenvalue problems in composite structures	999
VASSILEVSKI, PANAYOT S.	See RUSTEN, TORGEIR .....	447
WAGNER, CHRISTIAN	Class number 5, 6 and 7 .....	785
WAGSTAFF, SAMUEL S., JR.	Aurifeuillian factorizations and the period of the Bell numbers modulo a prime .....	383
WANG, JINGHUA	See LIU, HAILIANG .....	1137
WANG, JUNPING	See SCHATZ, ALFRED H. ....	19
WANG, XIAOSHEN	See LI, T. Y. ....	1477
WILLIAMS, H. C.	See LUKES, R. F. ....	361

# AUTHOR INDEX TO VOLUME 65

<i>Author</i>	<i>Title</i>	<i>Page</i>
WILLIAMS, H. C.	See BACH, ERIC .....	1737
WINTHER, RAGNAR	See RUSTEN, TORGEIR .....	447
WOLFE, J. M.	See GAYLE, R. C. ....	647
WU, LI-MING	See KATO, TAKASHI .....	227
WU, LI-MING	See KATO, TAKASHI .....	761
WU, X.	See NICOLAIDES, R. A. ....	29
XU, YUESHENG & ZHAO, YUNHE	An extrapolation method for a class of boundary integral equations .....	587
XU, YU-LIN	Fast evaluation of the Gaunt coefficients .....	1601
YANAGIHARA, NIRO	See KATO, TAKASHI .....	227
YANAGIHARA, NIRO	See KATO, TAKASHI .....	761
YANG, HUANAN	On wavewise entropy inequalities for high-resolution schemes. I: The semidiscrete case .....	45
ZHANG, ZHIMIN	Ultraconvergence of the patch recovery technique ....	1431
ZHAO, YUNHE	See XU, YUESHENG .....	587
ZHOU, JIANXIN	See DENG, YUANHUA .....	943

# INDEX OF REVIEWS BY AUTHOR OF WORK REVIEWED

<i>Author</i>	<i>Review Number</i>	<i>Classification</i>	<i>Page</i>
ABELL, MARTHA L. & BRASELTON, JAMES P.	18	68-01, 68Q40	881
ABELL, MARTHA L. & BRASELTON, JAMES P.	46	00A20, 68Q40	1764
ANDERSON, E., BAI, Z., BISCHOF, C., DEMMEL, J., DONGARRA, J., DU CROZ, J., GREENBAUM, A., HAMMARLING, S., MCKENNEY, A., OSTROUCHOV, S. & SORENSEN, D.	45	65F05, 65F15, 65F20, 65F35, 65Y05, 65Y20, 65Y99	1763
AXELSSON, OWE	21	65-02, 65F05, 65F10	886
BAI, Z.	45	See ANDERSON, E.	1757
BAILEY, DAVID H., BJØRSTAD, PETTER E., GILBERT, JOHN R., MASCAGNI, MICHAEL V., SCHREIBER, ROBERT S., SIMON, HORST D., TORCZON, VIRGINIA J. & WATSON, LAYNE T. (EDITORS)	12	65-06, 65Y05	440
BAIOCCHI, C.	2	See LIONS, J.-L.	430
BANKS, H. T. (EDITOR)	3	49-02, 70-08, 70Q05	430
BINI, DARIO & PAN, VICTOR Y.	22	15A06, 65F05, 68Q25	888
BISCHOF, C.	45	See ANDERSON, E.	1763
BJØRSTAD, PETTER E.	12	See BAILEY, DAVID H.	440
BRASELTON, JAMES P.	18	See ABELL, MARTHA L.	881
BRASELTON, JAMES P.	46	See ABELL, MARTHA L.	1764
BRENNER, SUSANNE C. & SCOTT, L. RIDGWAY	14	65-01, 65N30, 65N55, 73Cxx	877
BRIIGGS, WILLIAM L. & HENSON, VAN EMDEN	33	39A05, 44A12, 65T10, 94A12	1371
BROWN, J. DAVID, CHU, MOODY T., ELLISON, DONALD C. & PLEMMONS, ROBERT J. (EDITORS)	6	01A70, 65-06, 65F10, 65T20, 76W05, 83-06, 83C05, 85-06	432
BUTUZOV, VALENTIN F.	30	See VASIL'EVA, ADELAIDA B.	1366
CHU, MOODY T.	6	See BROWN, J. DAVID	432
CHUI, CHARLES K., MONTEFUSCO, LAURA & PUCCIO, LUIGIA (EDITORS)	24	41-06, 41A30, 41A99, 65-06	890
CIARLET, P. G. & LIONS, J. L. (EDITORS)	1	65-00, 41-00, 41A05, 41A21, 41A55, 41A65, 65C05, 65H05, 65T20, 73C50, 73V20	429
CIARLET, PHILIPPE G., TRABUCHO, LUÍS & VIAÑO, JUAN M. (EDITORS)	40	73-06, 73K05, 73K10, 73K15, 73V25	1760
COHEN, GARY (EDITOR)	31	65-06, 76-06, 78-06, 35L05, 65C20	1369



# INDEX OF REVIEWS BY AUTHOR OF WORK REVIEWED

<i>Author</i>	<i>Review Number</i>	<i>Classification</i>	<i>Page</i>
COHEN, HENRI	13	11-01, 11Yxx	440
COOMBES, KEVIN R., HUNT, BRIAN R., LIPSMAN, RONALD L., OSBORN, JOHN E. & STUCK, GARRETT J.	32	34-01, 34-04	1369
COX, EARL	4	94-01, 94D05	431
DU CROZ, J.	45	See ANDERSON, E.	1763
DEMME, J.	45	See ANDERSON, E.	1763
DEUFLHARD, PETER & HOHMANN, ANDREAS	38	65-01, 65Bxx, 65Cxx, 65Dxx, 65Fxx, 65Gxx	1757
DIKSHIT, H. P. & MICCHELLI, C. A. (EDITORS)	5	41-06, 65-06, 42-06, 46-06	432
DONGARRA, J.	45	See ANDERSON, E.	1763
DONGARRA, JACK J. & TOURANCHEAU, BERNARD (EDITORS)	16	65-06, 65Y05	879
ELLISON, DONALD C.	6	See BROWN, J. DAVID	432
FARIN, GERALD E.	25	65-01, 65D07, 65Y25, 68U07	891
FIUME, EUGENE	43	65-01, 68-01, 68U05	1761
FOUFOULA-GEORGIOU, EFI & KUMAR, PRAVEEN (EDITORS)	9	42-06, 42C10, 86-06, 86-08	436
FRIEDMAN, AVNER & LITTMAN, WALTER	15	00A69, 34-01, 35-01, 65-01	878
GANDER, WALTER & HŘEBÍČEK, JIŘÍ	17	68-01, 65-01	880
GILBERT, JOHN R.	12	See BAILEY, DAVID H.	440
GREENBAUM, A.	45	See ANDERSON, E.	1763
HAMMARLING, S.	45	See ANDERSON, E.	1763
HENSON, VAN EMDEN	33	See BRIGGS, WILLIAM L.	1371
HOHMANN, ANDREAS	38	See DEUFLHARD, PETER	1757
HŘEBÍČEK, JIŘÍ	17	See GANDER, WALTER	880
HUNT, BRIAN R.	32	See COOMBES, KEVIN R.	1369
KALACHEV, LEONID V.	30	See VASIL'EVA, ADELAIDA B.	1366
KRISHNA, BAL	27	See KRISHNA, HARI	893
KRISHNA, HARI, KRISHNA, BAL, LIN, KUO-YU & SUN, JENN-DONG	27	12Y05, 65T10, 94B05	893
KŘÍŽEK, M., NEITTAANMÄKI, P. & STENBERG, R. (EDITORS)	29	65-06, 65M60, 65N30	1365
KUMAR, PRAVEEN	9	See FOUFOULA-GEORGIOU, EFI	436
LAU, H. T.	34	65-00, 65-04	1371
LAURENT, PIERRE-JEAN, LE MÉHAUTÉ, ALAIN & SCHUMAKER, LARRY L. (EDITORS)	7	41-06, 41A15, 65-06, 65D07, 65D10	435

# INDEX OF REVIEWS BY AUTHOR OF WORK REVIEWED

LIDL, RUDOLF & NIEDERREITER, HARALD	36	11Txx, 94A60, 94B60	1376
LIN, KUO-YU	27	See KRISHNA, HARI	893
LIONS, J.-L.	1	See CIARLET, P. G.	429
LIONS, J.-L. & BAIocchi, C. (EDITORS)	2	65-06, 65Nxx	430
LIPSMAN, RONALD L.	32	See COOMBES, KEVIN R.	1369
LITTMAN, WALTER	15	See FRIEDMAN, AVNER	878
MANGASARIAN, OLVI L.	19	49-02, 49K40, 65K05	884
MASCAGNI, MICHAEL V.	12	See BAILEY, DAVID H.	440
MCKENNEY, A.	45	See ANDERSON, E.	1763
LE MÉHAUTÉ, ALAIN	7	See LAURENT, PIERRE-JEAN	435
MICCHELLI, C. A.	5	See DIKSHIT, H. P.	432
MICCHELLI, CHARLES A.	23	65-02, 65D17	889
MILOVANOVIĆ, G. V., MITRINOVIĆ, D. S. & RASSIAS, TH. M.	10	41-02, 41A17, 26C05, 26C10, 26Dxx	438
MITRINOVIĆ, D. S.	10	See MILOVANOVIĆ, G. V.	438
MOLENAAR, J.	39	65N30, 65N50, 65N55, 82D99	1758
MONTEFUSCO, LAURA	24	See CHUI, CHARLES K.	890
NEITTAANMÄKI, P.	29	See KŘÍŽEK, M.	1365
NEMIROVSKII, ARKADII	20	See NESTEROV, YURII	884
NESTEROV, YURII & NEMIROVSKII, ARKADII	20	49-02, 49M35, 49M45, 65K05	884
NIEDERREITER, HARALD	36	See LIDL, RUDOLF	1376
OSBORN, JOHN E.	32	See COOMBES, KEVIN R.	1369
OSTROUCHOV, S.	45	See ANDERSON, E.	1763
PAN, VICTOR Y.	22	See BINI, DARIO	888
PLEMMONS, ROBERT J.	6	See BROWN, J. DAVID	432
PLIS, ALEXANDER I.	41	See SHIKIN, EUGENE V.	1760
POUFEE, SIMON	28	See SLOANE, N. J. A.	894
PUCCIO, LUIGIA	24	See CHUI, CHARLES K.	890
RASSIAS, TH. M.	10	See MILOVANOVIĆ, G. V.	438
RIESEL, HANS	37	11-02, 11Y05, 11Y11, 11Y16, 11Y35, 11Y40	1377
RUBIO, J. E.	11	49-02, 49J10, 65K10	439
SABOT, GARY W. (EDITOR)	44	65-02, 65Yxx	1763
SAPIDIS, NICKOLAS S. (EDITOR)	26	65-06, 65D05, 65D07, 65D17	892
SCHREIBER, ROBERT S.	12	See BAILEY, DAVID H.	440
SCHUMAKER, LARRY L.	7	See LAURENT, PIERRE-JEAN	435
SCOTT, L. RIDGWAY	14	See BRENNER, SUSANNE C.	877
SHIKIN, EUGENE V. & PLIS, ALEXANDER I.	41	65-00, 65-04, 41-00, 41-04, 41A15	1760
SIMON, HORST D.	12	See BAILEY, DAVID H.	440

# INDEX OF REVIEWS BY AUTHOR OF WORK REVIEWED

SLOANE, N. J. A. & PLOUFEE, SIMON	28	11-00, 11B83	894
SOBOL', ILYA M.	42	65-01, 65C05, 65C10	1761
SORENSEN, D.	45	See ANDERSON, E.	1763
STENBERG, R.	29	See KRÍZEK, M.	1365
STEPANOV, SERGUEI A.	47	11-02, 11Gxx	1767
STUCK, GARRETT J.	32	See COOMBES, KEVIN R.	1369
SUN, JENN-DONG	27	See KRISHNA, HARI	893
TORCZON, VIRGINIA J.	12	See BAILEY, DAVID H.	440
TOURANCHEAU, BERNARD	16	See DONGARRA, JACK J.	879
TRABUCHO, LUÍS	40	See CIARLET, PHILIPPE G.	1760
VASIL'EVA, ADELAIDA B., BUTUZOV, VALENTIN F. & KALACHEV, LEONID V.	30	34E15, 35B25, 73U05, 78A30, 80A25, 92C20	1366
VIAÑO, JUAN M.	40	See CIARLET, PHILIPPE G.	1760
WATSON, LAYNE T.	12	See BAILEY, DAVID H.	440
WICKERHAUSER, MLADEN VICTOR	8	41-04, 41A30, 42A38, 65D99, 68U10	436
ZAHAR, R. V. M. (EDITOR)	35	01A70, 33-XX, 33C45, 41-XX, 41A55	1372

# INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

Author	Review Number	Title	Page
<b>00-XX General</b>			
00A20 <i>Dictionaries and other general reference works</i>			
ABELL, MARTHA L. & BRASELTON, JAMES P.	46	The Maple V handbook	1764
00A69 <i>General applied mathematics</i>			
FRIEDMAN, AVNER & LITTMAN, WALTER	15	Industrial mathematics: A course in solving real-world problems	878
<b>01-XX History and biography</b>			
01A70 <i>Biographies, obituaries, personalia, bibliographies</i>			
BROWN, J. DAVID, CHU, MOODY T., ELLISON, DONALD C. & PLEMMONS, ROBERT J. (EDITORS)	6	Proceedings of the Cornelius Lanczos international centenary conference	432
ZAHAR, R. V. M. (EDITOR)	35	Approximation and computation: A festschrift in honor of Walter Gautschi	1372
<b>11-XX Number theory</b>			
11-00 <i>General reference works</i>			
SLOANE, N. J. A. & PLOUFEE, SIMON	28	The encyclopedia of integer sequences	894
11-01 <i>Instructional exposition</i>			
COHEN, HENRI	13	A course in computational algebraic number theory	440

# INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

<i>Author</i>	<i>Review Number</i>	<i>Title</i>	<i>Page</i>
<b>11-02 Research exposition</b>			
RIESEL, HANS	37	Prime numbers and computer methods for factorization	1377
STEPANOV, SERGUEI A.	47	Arithmetic of algebraic curves	1767
<b>11B83 Special sequences and polynomials</b>			
SLOANE, N. J. A. & PLOUFEE, SIMON	28	The encyclopedia of integer sequences	894
<b>11Gxx Arithmetic algebraic geometry</b>			
STEPANOV, SERGUEI A.	47	Arithmetic of algebraic curves	1767
<b>11TxX Finite fields and commutative rings</b>			
LIDL, RUDOLF & NIEDERREITER, HARALD	36	Introduction to finite fields and their applications	1376
<b>11Yxx Computational number theory</b>			
COHEN, HENRI	13	A course in computational algebraic number theory	440
<b>11Y05 Factorization</b>			
RIESEL, HANS	37	Prime numbers and computer methods for factorization	1377
<b>11Y11 Primality</b>			
RIESEL, HANS	37	Prime numbers and computer methods for factorization	1377
<b>11Y16 Algorithms; complexity</b>			
RIESEL, HANS	37	Prime numbers and computer methods for factorization	1377
<b>11Y35 Analytic computations</b>			
RIESEL, HANS	37	Prime numbers and computer methods for factorization	1377
<b>11Y40 Algebraic number theory computations</b>			
RIESEL, HANS	37	Prime numbers and computer methods for factorization	1377
<b>12-XX Field theory and polynomials</b>			
<b>12Y05 Computational aspects of field theory and polynomials</b>			
KRISHNA, HARI, KRISHNA, BAL, LIN, KUO-YU & SUN, JENN-DONG	27	Computational number theory and digital signal processing: Fast algorithms and error control techniques	893
<b>15-XX Linear and multilinear algebra; matrix theory</b>			
<b>15A06 Linear equations</b>			
BINI, DARIO & PAN, VICTOR Y.	22	Polynomial and matrix computations: Fundamental algorithms, Vol. 1	888

# INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

Author	Review Number	Title	Page
<b>26-XX Real functions</b>			
26C05 <i>Polynomials: analytic properties, etc.</i>			
MILOVANOVIĆ, G. V., MITRINOVIĆ, D. S. & RASSIAS, TH. M.	10	Topics in polynomials: extremal problems, inequalities, zeros	438
26C10 <i>Polynomials: location of zeros</i>			
MILOVANOVIĆ, G. V., MITRINOVIĆ, D. S. & RASSIAS, TH. M.	10	Topics in polynomials: extremal problems, inequalities, zeros	438
26Dxx <i>Inequalities</i>			
MILOVANOVIĆ, G. V., MITRINOVIĆ, D. S. & RASSIAS, TH. M.	10	Topics in polynomials: extremal problems, inequalities, zeros	438
<b>33-XX Special functions</b>			
ZAHAR, R. V. M. (EDITOR)	35	Approximation and computation: A festschrift in honor of Walter Gautschi	1372
33C45 <i>Orthogonal polynomials and functions</i>			
ZAHAR, R. V. M. (EDITOR)	35	Approximation and computation: A festschrift in honor of Walter Gautschi	1372
<b>34-XX Ordinary differential equations</b>			
34-01 <i>Instructional exposition</i>			
COOMBES, KEVIN R., HUNT, BRIAN R., LIPSMAN, RONALD L., OSBORN, JOHN E. & STUCK, GARRETT J.	32	Differential equations with Mathematica	1369
FRIEDMAN, AVNER & LITTMAN, WALTER	15	Industrial mathematics: A course in solving real-world problems	878
34-04 <i>Explicit machine computation and programs</i>			
COOMBES, KEVIN R., HUNT, BRIAN R., LIPSMAN, RONALD L., OSBORN, JOHN E. & STUCK, GARRETT J.	32	Differential equations with Mathematica	1369
34E15 <i>Singular perturbations, general theory</i>			
VASIL'eva, ADELAIDA B., BUTUZOV, VALENTIN F. & KALACHEV, LEONID V.	30	The boundary function method for singular perturbation problems	1366
<b>35-XX Partial differential equations</b>			
35-01 <i>Instructional exposition</i>			
FRIEDMAN, AVNER & LITTMAN, WALTER	15	Industrial mathematics: A course in solving real-world problems	878
35B25 <i>Singular perturbations</i>			
VASIL'eva, ADELAIDA B., BUTUZOV, VALENTIN F. & KALACHEV, LEONID V.	30	The boundary function method for singular perturbation problems	1366

# INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

<i>Author</i>	<i>Review Number</i>	<i>Title</i>	<i>Page</i>
35L05 <i>Wave equation</i>			
COHEN, GARY (EDITOR)	31	Mathematical and numerical aspects of wave propagation	1369
<b>39-XX Finite differences and functional equations</b>			
39A05 <i>General</i>			
BRIGGS, WILLIAM L. & HENSON, VAN EMDEN	33	The DFT: An owner's manual for the discrete Fourier transform	1371
<b>41-XX Approximations and expansions</b>			
ZAHAR, R. V. M. (EDITOR)	35	Approximation and computation: A festschrift in honor of Walter Gautschi	1372
41-00 <i>General reference works</i>			
CIARLET, P. G. & LIONS, J. L. (EDITORS)	1	Handbook of numerical analysis	429
SHIKIN, EUGENE V. & PLIS, ALEXANDER I.	41	Handbook on splines for the user	1760
41-02 <i>Research exposition</i>			
MILOVANOVIĆ, G. V., MITRINOVIĆ, D. S. & RASSIAS, TH. M.	10	Topics in polynomials: extremal problems, inequalities, zeros	438
41-04 <i>Explicit machine computation and programs</i>			
SHIKIN, EUGENE V. & PLIS, ALEXANDER I.	41	Handbook on splines for the user	1760
WICKERHAUSER, MLADEN VICTOR	8	Adapted wavelet analysis from theory to software	436
41-06 <i>Proceedings, conferences, collections, etc.</i>			
CHUI, CHARLES K., MONTEFUSCO, LAURA & PUCCIO, LUIGIA (EDITORS)	24	Wavelets: theory, algorithms, and applications	890
DIKSHIT, H. P. & MICCHELLI, C. A. (EDITORS)	5	Advances in computational mathematics: New Delhi, India	432
LAURENT, PIERRE-JEAN, LE MÉHAUTÉ, ALAIN & SCHUMAKER, LARRY L. (EDITORS)	7	Curves and surfaces in geometric design	435
41A05 <i>Interpolation</i>			
CIARLET, P. G. & LIONS, J. L. (EDITORS)	1	Handbook of numerical analysis	429
41A15 <i>Spline approximation</i>			
LAURENT, PIERRE-JEAN, LE MÉHAUTÉ, ALAIN & SCHUMAKER, LARRY L. (EDITORS)	7	Curves and surfaces in geometric design	435
SHIKIN, EUGENE V. & PLIS, ALEXANDER I.	41	Handbook on splines for the user	1760

# INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

<i>Author</i>	<i>Review Number</i>	<i>Title</i>	<i>Page</i>
<b>41A17 Inequalities in approximation</b>			
MILOVANOVIĆ, G. V., MITRINOVIĆ, D. S. & RASSIAS, TH. M.	10	Topics in polynomials: extremal problems, inequalities, zeros	438
<b>41A21 Padé approximation</b>			
CIARLET, P. G. & LIONS, J. L. (EDITORS)	1	Handbook of numerical analysis	429
<b>41A30 Approximation by other special function classes</b>			
CHUI, CHARLES K., MONTEFUSCO, LAURA & PUCCIO, LUIGIA (EDITORS)	24	Wavelets: theory, algorithms, and applica- tions	890
WICKERHAUSER, MLADEN VICTOR	8	Adapted wavelet analysis from theory to software	436
<b>41A55 Approximate quadratures</b>			
CIARLET, P. G. & LIONS, J. L. (EDITORS)	1	Handbook of numerical analysis	429
ZAHAR, R. V. M. (EDITOR)	35	Approximation and computation: A festschrift in honor of Walter Gautschi	1372
<b>41A65 Abstract approximation theory</b>			
CIARLET, P. G. & LIONS, J. L. (EDITORS)	1	Handbook of numerical analysis	429
<b>41A99 Miscellaneous topics</b>			
CHUI, CHARLES K., MONTEFUSCO, LAURA & PUCCIO, LUIGIA (EDITORS)	24	Wavelets: theory, algorithms, and applica- tions	890
<b>42-XX Fourier analysis</b>			
<b>42-06 Proceedings, conferences, collections, etc.</b>			
DIKSHIT, H. P. & MICCHELLI, C. A. (EDITORS)	5	Advances in computational mathematics: New Delhi, India	432
FOUFOULA-GEORGIU, EFI & KUMAR, PRAVEEN (EDITORS)	9	Wavelets in geophysics	436
<b>42A38 Fourier and Fourier-Stieltjes transforms and other transforms of Fourier type</b>			
WICKERHAUSER, MLADEN VICTOR	8	Adapted wavelet analysis from theory to software	436
<b>42C10 Fourier series in special orthogonal functions</b>			
FOUFOULA-GEORGIU, EFI & KUMAR, PRAVEEN (EDITORS)	9	Wavelets in geophysics	436
<b>44-XX Integral transforms, operational calculus</b>			
<b>44A12 Radon transform</b>			
BIGGS, WILLIAM L. & HENSON, VAN EMDEN	33	The DFT: An owner's manual for the discrete Fourier transform	1371

# INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

Author	Review Number	Title	Page
<b>46-XX Functional analysis</b>			
46-06 <i>Proceedings, conferences, collections, etc.</i>			
DIKSHIT, H. P. & MICCHELLI, C. A. (EDITORS)	5	Advances in computational mathematics: New Delhi, India	432
<b>49-XX Calculus of variations and optimal control; optimization</b>			
49-02 <i>Research exposition</i>			
BANKS, H. T. (EDITOR)	3	Control and estimation in distributed parameter systems	430
MANGASARIAN, OLVI L.	19	Nonlinear programming	884
NESTEROV, YURI & NEMIROVSKII, ARKADII	20	Interior-point polynomial algorithms in convex programming	884
RUBIO, J. E.	11	Optimization and nonstandard analysis	439
49J10 <i>Free problems in two or more independent variables</i>			
RUBIO, J. E.	11	Optimization and nonstandard analysis	439
49K40 <i>Sensitivity of optimal solutions in the presence of perturbations</i>			
MANGASARIAN, OLVI L.	19	Nonlinear programming	884
49M35 <i>Methods of linear programming type</i>			
NESTEROV, YURI & NEMIROVSKII, ARKADII	20	Interior-point polynomial algorithms in convex programming	884
49M45 <i>Methods of convex programming type</i>			
NESTEROV, YURI & NEMIROVSKII, ARKADII	20	Interior-point polynomial algorithms in convex programming	884
<b>65-XX Numerical analysis</b>			
65-00 <i>General reference works</i>			
CIARLET, P. G. & LIONS, J. L. (EDITORS)	1	Handbook of numerical analysis	429
LAU, H. T.	34	A numerical library in C for scientists and engineers	1371
SHIKIN, EUGENE V. & PLIS, ALEXANDER I.	41	Handbook on splines for the user	1760
65-01 <i>Instructional exposition</i>			
BRENNER, SUSANNE C. & SCOTT, L. RIDGWAY	14	The mathematical theory of finite element methods	877
DEUFLHARD, PETER & HOHMANN, ANDREAS	38	Numerical analysis: A first course in scientific computation	1757
FARIN, GERALD E.	25	NURB curves and surfaces: from projective geometry to practical use	891
FIUME, EUGENE	43	An introduction to scientific, symbolic, and graphical computation	1761
FRIEDMAN, AVNER & LITTMAN, WALTER	15	Industrial mathematics: A course in solving real-world problems	878



# INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

Author	Review Number	Title	Page
GANDER, WALTER & HŘEBÍČEK, JIŘÍ	17	Solving problems in scientific computing using MAPLE and MATLAB	880
SOBOL', ILYA M.	42	A primer for the Monte Carlo method	1761
65-02 <i>Research exposition</i>			
AXELSSON, OWE	21	Iterative solution methods	886
MICCHELLI, CHARLES A.	23	Mathematical aspects of geometrical mod- eling	889
SABOT, GARY W. (EDITOR)	44	High performance computing—Problem solving with parallel and vector archi- tectures	1763
65-04 <i>Explicit machine computation and programs</i>			
LAU, H. T.	34	A numerical library in C for scientists and engineers	1371
SHIKIN, EUGENE V. & PLIS, ALEXANDER I.	41	Handbook on splines for the user	1760
65-06 <i>Proceedings, conferences, collections, etc.</i>			
BAILEY, DAVID H., BJØRSTAD, PETTER E., GILBERT, JOHN R., MASCAGNI, MICHAEL V., SCHREIBER, ROBERT S., SIMON, HORST D., TORCZON, VIRGINIA J. & WATSON, LAYNE T. (EDITORS)	12	Parallel processing for scientific comput- ing	440
BROWN, J. DAVID, CHU, MOODY T., ELLISON, DONALD C. & PLEMMONS, ROBERT J. (EDITORS)	6	Proceedings of the Cornelius Lanczos international centenary conference	432
CHUI, CHARLES K., MONTEFUSCO, LAURA & PUCCIO, LUIGIA (EDITORS)	24	Wavelets: theory, algorithms, and applica- tions	890
COHEN, GARY (EDITOR)	31	Mathematical and numerical aspects of wave propagation	1369
DIKSHIT, H. P. & MICCHELLI, C. A. (EDITORS)	5	Advances in computational mathematics: New Delhi, India	432
DONGARRA, JACK J. & TOURANCHEAU, BERNARD (EDITORS)	16	Environments and tools for parallel scien- tific computing	879
KŘÍŽEK, M., NEITTAANMÄKI, P. & STENBERG, R. (EDITORS)	29	Finite element methods: Fifty years of the Courant element	1365
LAURENT, PIERRE-JEAN, LE MÉHAUTÉ, ALAIN & SCHUMAKER, LARRY L. (EDITORS)	7	Curves and surfaces in geometric design	435
LIONS, J.-L. & BAIocchi, C. (EDITORS)	2	Boundary value problems for partial differ- ential equations and applications	430
SAPIDIS, NICKOLAS S. (EDITOR)	26	Designing fair curves and surfaces	892

# INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

<i>Author</i>	<i>Review Number</i>	<i>Title</i>	<i>Page</i>
65Bxx <i>Acceleration of convergence</i>			
DEUFLHARD, PETER & HOHMANN, ANDREAS	38	Numerical analysis: A first course in scientific computation	1757
65Cxx <i>Numerical simulation</i>			
DEUFLHARD, PETER & HOHMANN, ANDREAS	38	Numerical analysis: A first course in scientific computation	1757
65C05 <i>Monte Carlo methods</i>			
CIARLET, P. G. & LIONS, J. L. (EDITORS)	1	Handbook of numerical analysis	429
SOBOL', ILYA M.	42	A primer for the Monte Carlo method	1761
65C10 <i>Random number generation</i>			
SOBOL', ILYA M.	42	A primer for the Monte Carlo method	1761
65C20 <i>Models, numerical methods</i>			
COHEN, GARY (EDITOR)	31	Mathematical and numerical aspects of wave propagation	1369
65Dxx <i>Numerical approximation</i>			
DEUFLHARD, PETER & HOHMANN, ANDREAS	38	Numerical analysis: A first course in scientific computation	1757
65D05 <i>Interpolation</i>			
SAPIDIS, NICKOLAS S. (EDITOR)	26	Designing fair curves and surfaces	892
65D07 <i>Splines</i>			
FARIN, GERALD E.	25	NURB curves and surfaces: from projective geometry to practical use	891
LAURENT, PIERRE-JEAN, LE MÉHAUTÉ, ALAIN & SCHUMAKER, LARRY L. (EDITORS)	7	Curves and surfaces in geometric design	435
SAPIDIS, NICKOLAS S. (EDITOR)	26	Designing fair curves and surfaces	892
65D10 <i>Smoothing, curve fitting</i>			
LAURENT, PIERRE-JEAN, LE MÉHAUTÉ, ALAIN & SCHUMAKER, LARRY L. (EDITORS)	7	Curves and surfaces in geometric design	435
65D17 <i>Computer aided design</i>			
MICCHELLI, CHARLES A.	23	Mathematical aspects of geometrical mod- eling	889
SAPIDIS, NICKOLAS S. (EDITOR)	26	Designing fair curves and surfaces	892
65D99 <i>None of the above, but in this section</i>			
WICKERHAUSER, MLADEN VICTOR	8	Adapted wavelet analysis from theory to software	436

# INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

Author	Review Number	Title	Page
65Fxx <i>Numerical linear algebra</i>			
DEUFLHARD, PETER & HOHMANN, ANDREAS	38	Numerical analysis: A first course in scientific computation	1757
65F05 <i>Direct methods for linear systems and matrix inversion</i>			
ANDERSON, E., BAI, Z., BISCHOF, C., DEMMEL, J., DONGARRA, J., DU CROZ, J., GREENBAUM, A., HAMMARLING, S., MCKENNEY, A., OSTROUCHOV, S. & SORENSEN, D.	45	LAPACK users' guide	1763
AXELSSON, OWE	21	Iterative solution methods	886
BINI, DARIO & PAN, VICTOR Y.	22	Polynomial and matrix computations: Fun- damental algorithms, Vol. 1	888
65F10 <i>Iterative methods for linear systems</i>			
AXELSSON, OWE	21	Iterative solution methods	886
BROWN, J. DAVID, CHU, MOODY T., ELLISON, DONALD C. & PLEMMONS, ROBERT J. (EDITORS)	6	Proceedings of the Cornelius Lanczos international centenary conference	432
65F15 <i>Eigenvalues, eigenvectors</i>			
ANDERSON, E., BAI, Z., BISCHOF, C., DEMMEL, J., DONGARRA, J., DU CROZ, J., GREENBAUM, A., HAMMARLING, S., MCKENNEY, A., OSTROUCHOV, S. & SORENSEN, D.	45	LAPACK users' guide	1763
65F20 <i>Overdetermined systems, pseudoinverses</i>			
ANDERSON, E., BAI, Z., BISCHOF, C., DEMMEL, J., DONGARRA, J., DU CROZ, J., GREENBAUM, A., HAMMARLING, S., MCKENNEY, A., OSTROUCHOV, S. & SORENSEN, D.	45	LAPACK users' guide	1763
65F35 <i>Matrix norms, conditioning, scaling</i>			
ANDERSON, E., BAI, Z., BISCHOF, C., DEMMEL, J., DONGARRA, J., DU CROZ, J., GREENBAUM, A., HAMMARLING, S., MCKENNEY, A., OSTROUCHOV, S. & SORENSEN, D.	45	LAPACK users' guide	1763

# INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

Author	Review Number	Title	Page
65Gxx <i>Error analysis</i>			
DEUFLHARD, PETER & HOHMANN, ANDREAS	38	Numerical analysis: A first course in scientific computation	1757
65H05 <i>Single equations</i>			
CIARLET, P. G. & LIONS, J. L. (EDITORS)	1	Handbook of numerical analysis	429
65K05 <i>Mathematical programming</i>			
MANGASARIAN, OLVI L.	19	Nonlinear programming	884
NESTEROV, YURI & NEMIROVSKII, ARKADII	20	Interior-point polynomial algorithms in convex programming	884
65K10 <i>Optimization and variational techniques</i>			
RUBIO, J. E.	11	Optimization and nonstandard analysis	439
65M60 <i>Finite elements, Rayleigh-Ritz and Galerkin methods, finite methods</i>			
KRÍŽEK, M., NEITTAANMÄKI, P. & STENBERG, R. (EDITORS)	29	Finite element methods: Fifty years of the Courant element	1365
65Nxx <i>Partial differential equations, boundary value problems</i>			
LIONS, J.-L. & BAIocchi, C. (EDITORS)	2	Boundary value problems for partial differ- ential equations and applications	430
65N30 <i>Finite elements, Rayleigh-Ritz and Galerkin methods, finite methods</i>			
BRENNER, SUSANNE C. & SCOTT, L. RIDGWAY	14	The mathematical theory of finite element methods	877
KRÍŽEK, M., NEITTAANMÄKI, P. & STENBERG, R. (EDITORS)	29	Finite element methods: Fifty years of the Courant element	1365
MOLENAAR, J.	39	Multigrid methods for semiconductor device simulation	1758
65N50 <i>Mesh generation and refinement</i>			
MOLENAAR, J.	39	Multigrid methods for semiconductor device simulation	1758
65N55 <i>Multigrid methods; domain decomposition</i>			
BRENNER, SUSANNE C. & SCOTT, L. RIDGWAY	14	The mathematical theory of finite element methods	877
MOLENAAR, J.	39	Multigrid methods for semiconductor device simulation	1758
65T10 <i>Trigonometric approximation and interpolation</i>			
BRIGGS, WILLIAM L. & HENSON, VAN EMDEN	33	The DFT: An owner's manual for the discrete Fourier transform	1371
KRISHNA, HARI, KRISHNA, BAL, LIN, KUO-YU & SUN, JENN-DONG	27	Computational number theory and digital signal processing: Fast algorithms and error control techniques	893
65T20 <i>Discrete and fast Fourier transforms</i>			
BROWN, J. DAVID, CHU, MOODY T., ELLISON, DONALD C. & PLEMMONS, ROBERT J. (EDITORS)	6	Proceedings of the Cornelius Lanczos international centenary conference	432

# INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

<i>Author</i>	<i>Review Number</i>	<i>Title</i>	<i>Page</i>
CIARLET, P. G. & LIONS, J. L. (EDITORS)	1	Handbook of numerical analysis	429
65Yxx <i>Computer aspects of numerical algorithms</i>			
SABOT, GARY W. (EDITOR)	44	High performance computing—Problem solving with parallel and vector archi- tectures	1763
65Y05 <i>Parallel computation</i>			
ANDERSON, E., BAI, Z., BISCHOF, C., DEMMEL, J., DONGARRA, J., DU CROZ, J., GREENBAUM, A., HAMMARLING, S., MCKENNEY, A., OSTROUCHOV, S. & SORENSEN, D.	45	LAPACK users' guide	1763
BAILEY, DAVID H., BJØRSTAD, PETTER E., GILBERT, JOHN R., MASCAGNI, MICHAEL V., SCHREIBER, ROBERT S., SIMON, HORST D., TORCZON, VIRGINIA J. & WATSON, LAYNE T. (EDITORS)	12	Parallel processing for scientific comput- ing	440
DONGARRA, JACK J. & TOURANCHEAU, BERNARD (EDITORS)	16	Environments and tools for parallel scien- tific computing	879
65Y20 <i>Complexity and performance of numerical algorithms</i>			
ANDERSON, E., BAI, Z., BISCHOF, C., DEMMEL, J., DONGARRA, J., DU CROZ, J., GREENBAUM, A., HAMMARLING, S., MCKENNEY, A., OSTROUCHOV, S. & SORENSEN, D.	45	LAPACK users' guide	1763
65Y25 <i>Computer graphics and computational geometry</i>			
FARIN, GERALD E.	25	NURB curves and surfaces: from projective geometry to practical use	891
65Y99 <i>None of the above, but in this section</i>			
ANDERSON, E., BAI, Z., BISCHOF, C., DEMMEL, J., DONGARRA, J., DU CROZ, J., GREENBAUM, A., HAMMARLING, S., MCKENNEY, A., OSTROUCHOV, S. & SORENSEN, D.	45	LAPACK users' guide	1763

# INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

Author	Review Number	Title	Page
<b>68-XX Computer science</b>			
68-01 <i>Instructional exposition</i>			
ABELL, MARTHA L. & BRASELTON, JAMES P.	18	Maple V by example	881
FIUME, EUGENE	43	An introduction to scientific, symbolic, and graphical computation	1761
GANDER, WALTER & HŘEBÍČEK, JIŘÍ	17	Solving problems in scientific computing using MAPLE and MATLAB	880
68Q25 <i>Analysis of algorithms and problem complexity</i>			
BINI, DARIO & PAN, VICTOR Y.	22	Polynomial and matrix computations: Fun- damental algorithms, Vol. 1	888
68Q40 <i>Symbolic computation, algebraic computation</i>			
ABELL, MARTHA L. & BRASELTON, JAMES P.	18	Maple V by example	881
ABELL, MARTHA L. & BRASELTON, JAMES P.	46	The Maple V handbook	1764
68U05 <i>Computer graphics; computational geometry</i>			
FIUME, EUGENE	43	An introduction to scientific, symbolic, and graphical computation	1761
68U07 <i>Computer-aided design</i>			
FARIN, GERALD E.	25	NURB curves and surfaces: from projective geometry to practical use	891
68U10 <i>Image processing</i>			
WICKERHAUSER, MLADEN VICTOR	8	Adapted wavelet analysis from theory to software	436
<b>70-XX Mechanics of particles and systems</b>			
70-08 <i>Computational methods</i>			
BANKS, H. T. (EDITOR)	3	Control and estimation in distributed parameter systems	430
70Q05 <i>Control of mechanical systems</i>			
BANKS, H. T. (EDITOR)	3	Control and estimation in distributed parameter systems	430
<b>73-XX Mechanics of solids</b>			
73-06 <i>Proceedings, conferences, collections, etc.</i>			
CIARLET, PHILIPPE G., TRABUCHO, LUÍS & VIAÑO, JUAN M. (EDITORS)	40	Asymptotic methods for elastic struc- tures	1760
73Cxx <i>Elasticity</i>			
BRENNER, SUSANNE C. & SCOTT, L. RIDGWAY	14	The mathematical theory of finite element methods	877

# INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

Author	Review Number	Title	Page
<b>73C50 Nonlinear elasticity</b>			
CIARLET, P. G. & LIONS, J. L. (EDITORS)	1	Handbook of numerical analysis	429
<b>73K05 Beams, columns, rods</b>			
CIARLET, PHILIPPE G., TRABUCHO, LUÍS & VIAÑO, JUAN M. (EDITORS)	40	Asymptotic methods for elastic structures	1760
<b>73K10 Plates, discs, membranes</b>			
CIARLET, PHILIPPE G., TRABUCHO, LUÍS & VIAÑO, JUAN M. (EDITORS)	40	Asymptotic methods for elastic structures	1760
<b>73K15 Shells</b>			
CIARLET, PHILIPPE G., TRABUCHO, LUÍS & VIAÑO, JUAN M. (EDITORS)	40	Asymptotic methods for elastic structures	1760
<b>73U05 Thermomechanics of solids</b>			
VASIL'EVA, ADELAIDA B., BUTUZOV, VALENTIN F. & KALACHEV, LEONID V.	30	The boundary function method for singular perturbation problems	1366
<b>73V20 Other numerical methods</b>			
CIARLET, P. G. & LIONS, J. L. (EDITORS)	1	Handbook of numerical analysis	429
<b>73V25 Variational methods</b>			
CIARLET, PHILIPPE G., TRABUCHO, LUÍS & VIAÑO, JUAN M. (EDITORS)	40	Asymptotic methods for elastic structures	1760
<b>76-XX Fluid mechanics</b>			
<b>76-06 Proceedings, conferences, collections, etc.</b>			
COHEN, GARY (EDITOR)	31	Mathematical and numerical aspects of wave propagation	1369
<b>76W05 Magnetohydrodynamics and electrohydrodynamics</b>			
BROWN, J. DAVID, CHU, MOODY T., ELLISON, DONALD C. & PLEMMONS, ROBERT J. (EDITORS)	6	Proceedings of the Cornelius Lanczos international centenary conference	432
<b>78-XX Optics, electromagnetic theory</b>			
<b>78-06 Proceedings, conferences, collections, etc.</b>			
COHEN, GARY (EDITOR)	31	Mathematical and numerical aspects of wave propagation	1369
<b>78A30 Electro- and magnetostatics</b>			
VASIL'EVA, ADELAIDA B., BUTUZOV, VALENTIN F. & KALACHEV, LEONID V.	30	The boundary function method for singular perturbation problems	1366

# INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

Author	Review Number	Title	Page
<b>80-XX Classical thermodynamics, heat transfer</b>			
80A25 <i>Combustion, interior ballistics</i>			
VASIL'eva, ADELAIDA B., BUTUZOV, VALENTIN F. & KALACHEV, LEONID V.	30	The boundary function method for singular perturbation problems	1366
<b>82-XX Statistical mechanics, structure of matter</b>			
82Dxx <i>Applications to specific types of physical systems</i>			
82D99 <i>None of the above, but in this section</i>			
MOLENAAR, J.	39	Multigrid methods for semiconductor device simulation	1758
<b>83-XX Relativity and gravitational theory</b>			
83-06 <i>Proceedings, conferences, collections, etc.</i>			
BROWN, J. DAVID, CHU, MOODY T., ELLISON, DONALD C. & PLEMMONS, ROBERT J. (EDITORS)	6	Proceedings of the Cornelius Lanczos international centenary conference	432
83C05 <i>Einstein's equations</i>			
BROWN, J. DAVID, CHU, MOODY T., ELLISON, DONALD C. & PLEMMONS, ROBERT J. (EDITORS)	6	Proceedings of the Cornelius Lanczos international centenary conference	432
<b>85-XX Astronomy and astrophysics</b>			
85-06 <i>Proceedings, conferences, collections, etc.</i>			
BROWN, J. DAVID, CHU, MOODY T., ELLISON, DONALD C. & PLEMMONS, ROBERT J. (EDITORS)	6	Proceedings of the Cornelius Lanczos international centenary conference	432
<b>86-XX Geophysics</b>			
86-06 <i>Proceedings, conferences, collections, etc.</i>			
FOUFOULA-GEORGIOU, EFI & KUMAR, PRAVEEN (EDITORS)	9	Wavelets in geophysics	436
86-08 <i>Computational methods</i>			
FOUFOULA-GEORGIOU, EFI & KUMAR, PRAVEEN (EDITORS)	9	Wavelets in geophysics	436
<b>92-XX Biology and other natural sciences, behavioral sciences</b>			
92C20 <i>Neural biology</i>			
VASIL'eva, ADELAIDA B., BUTUZOV, VALENTIN F. & KALACHEV, LEONID V.	30	The boundary function method for singular perturbation problems	1366



# INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

<i>Author</i>	<i>Review Number</i>	<i>Title</i>	<i>Page</i>
<b>94-XX Information and communication, circuits</b>			
94-01 <i>Instructional exposition</i>			
COX, EARL	4	The fuzzy systems handbook: A practitioner's guide to building, using, and maintaining fuzzy systems	431
94A12 <i>Signal theory</i>			
BRIGGS, WILLIAM L. & HENSON, VAN EMDEN	33	The DFT: An owner's manual for the discrete Fourier transform	1371
94A60 <i>Cryptography</i>			
LIDL, RUDOLF & NIEDERREITER, HARALD	36	Introduction to finite fields and their applications	1376
94B05 <i>Linear codes, general</i>			
KRISHNA, HARI, KRISHNA, BAL, LIN, KUO-YU & SUN, JENN-DONG	27	Computational number theory and digital signal processing: Fast algorithms and error control techniques	893
94B60 <i>Other types of codes</i>			
LIDL, RUDOLF & NIEDERREITER, HARALD	36	Introduction to finite fields and their applications	1376
94D05 <i>Fuzzy sets and logic</i>			
COX, EARL	4	The fuzzy systems handbook: A practitioner's guide to building, using, and maintaining fuzzy systems	431

## INDEX OF ERRATA

<i>No.</i>	<i>Author</i>	<i>Title</i>	<i>Page</i>
626	APELBLAT, A.	Table of definite and infinite integrals .....	1386
622	ERDÉLYI, A. (EDITOR), MAGNUS, W., OBERHETTINGER, F. & TRICOMI, F. G. (RESEARCH ASSOCIATES)	Tables of integral transforms, Vol. I .....	1384
623	ERDÉLYI, A. (EDITOR), MAGNUS, W., OBERHETTINGER, F. & TRICOMI, F. G. (RESEARCH ASSOCIATES)	Tables of integral transforms, Vol. II .....	1385
624	ERDÉLYI, A. (EDITOR), MAGNUS, W., OBERHETTINGER, F. & TRICOMI, F. G. (RESEARCH ASSOCIATES)	Higher transcendental functions, Vol. I .....	1385
627	GRADSHTEYN, I. S. & RYZHIK, I. M.	Table of integrals, series, and products .....	1769
625	OBERHETTINGER, F.	Tables of Bessel transforms .....	1386

# INDEX OF SUPPLEMENTS

619	PRUDNIKOV, A. P., BRYCHKOV, YU. A. & MARICHEV, O. I	Integrals and series, Vol. 1, Elementary functions .....	1380
620	PRUDNIKOV, A. P., BRYCHKOV, YU. A. & MARICHEV, O. I.	Integrals and series, Vol. 2, Special functions .....	1382
621	PRUDNIKOV, A. P., BRYCHKOV, YU. A. & MARICHEV, O. I.	Integrals and series, Vol. 3, More special functions .....	1384
618	WEBER, HEINRICH	Lehrbuch der Algebra, Vol. 3 .....	1379

# INDEX OF CORRIGENDA

<i>Author</i>	<i>Title</i>	<i>Page</i>
BEYER, W. A., ROOF, R. B. & WILLIAMSON, DOROTHY	The lattice structure of multiplicative congruential pseudo-random vectors .....	445

# INDEX OF SUPPLEMENTS

<i>Author</i>	<i>Title</i>	<i>Issue</i>
BOYD, DAVID W.	Supplement to "On the beta expansion for Salem numbers of degree 6" .....	Apr.
LANGTRY, T. N.	An application of Diophantine approximation to the construction of rank-1 lattice quadrature rules (microfiche supplement) .....	Oct.
LUKES, R. F., PATTERSON, C. D. & WILLIAMS, H. C.	Supplement to "Some results on pseudosquares" .....	Jan.
URABE, TOHSUKE	Supplement to "Calculation of Manin's invariant for Del Pezzo surfaces" .....	Jan.
YANG, HUANAN	Supplement to "On wavewise entropy inequalities for high resolution schemes I: The semidiscrete case" .....	Jan.

